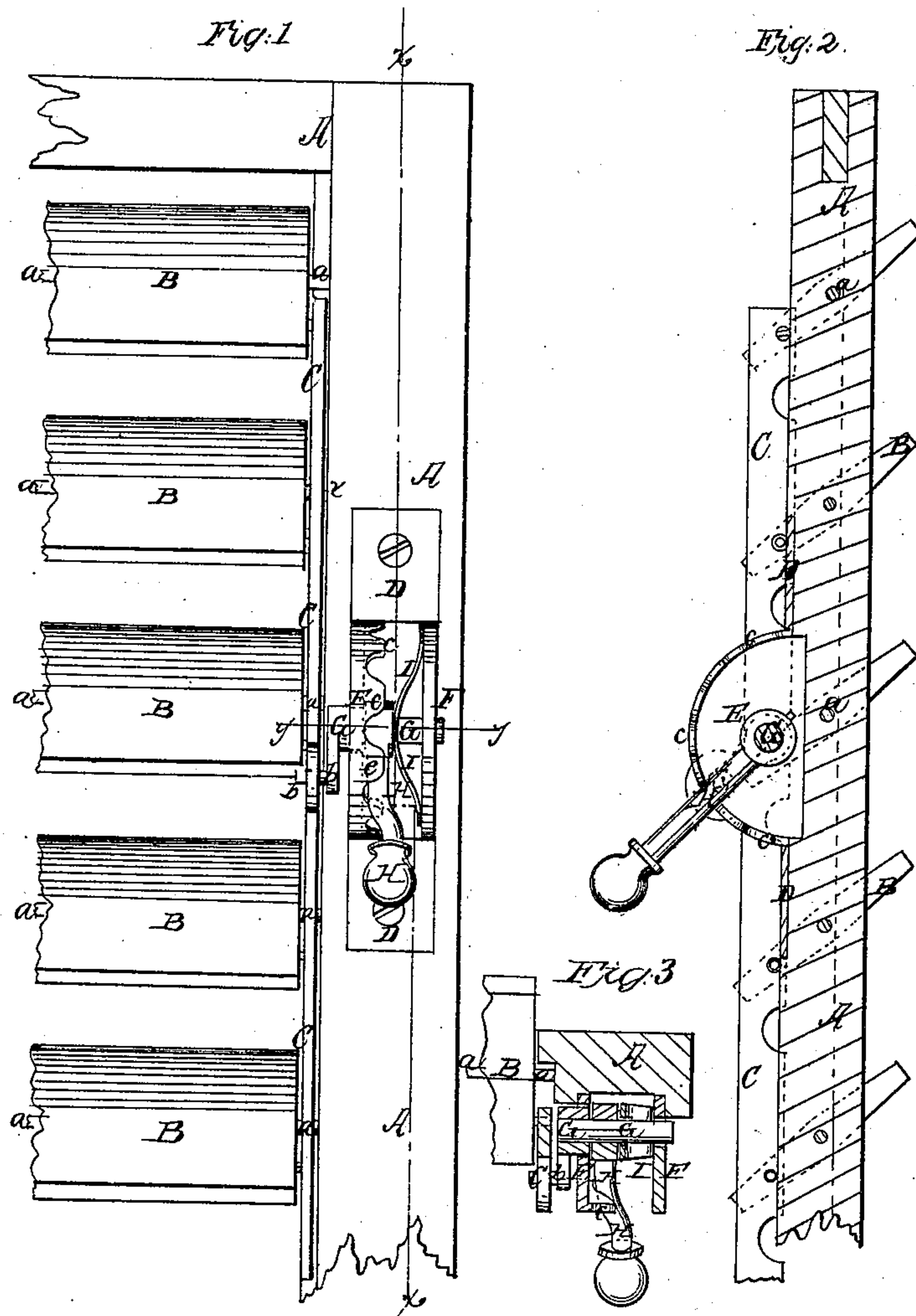


*J. Boyd,
Blind Stop.*

N^o 84,530.

Patented Dec. 1, 1868.



*Witnesses:
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Jm A Morgan*

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United States Patent Office.

JAMES BOYD, OF MAMARONECK, NEW YORK, ASSIGNOR TO HIMSELF AND N. C. GARRETSON, OF NEW YORK CITY.

Letters Patent No. 84,530, dated December 1, 1868.

IMPROVEMENT IN WINDOW-BLIND-SLAT HOLDER.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JAMES BOYD, of Mamaroneck, in the county of Westchester, and State of New York, have invented a new and useful Improvement in Window-Blinds; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

Figure 1 represents a detail front elevation of a window-blind, provided with my improved fastening-device.

Figure 2 is a vertical section of the same, taken on the plane of the line *x-x*, fig. 1.

Figure 3 is a detail horizontal section of the same, taken on the plane of the line *y y*, fig. 1.

Similar letters of reference indicate corresponding parts.

This invention relates to a new device for locking slats of Venetian window-blinds in any desired position, so as to obtain a certain desired quantity of light in a room.

The invention consists in the use of a crank-arbor, connected with the slat-rod, and provided with a lever, that is, by a spring pressed against the edge of a notched or corrugated plate.

By fitting the lever into any one of the notches, the arbor will be locked, and will also lock the slats. To bring the lever into another notch, it must move in a horizontal direction, and for that purpose the arbor is made sliding in its bearings.

The invention consists also in a new manner of hanging the slats, in place of the ordinary tenons formed in the same. I put a wire rod through each slat, the ends of the wire projecting beyond the ends of the slat, which ends serve to support the slat in the frame of the blind.

This manner of hanging the slats is considerably cheaper, simpler, and stronger than that now generally practised.

A, in the drawing, represents the frame of a window-blind, known as Venetian blinds.

B B are the slats of the blind.

Through each slat is fitted a wire or other rod, *a*, the ends of which project beyond the ends of the slat, and serve to pivot the same to the frame, as is clearly indicated in fig. 1.

C is the rod connecting the slats. This rod is of suitable construction, and is either attached to the ends of the slats, as shown, or to the middle, as usual.

D represents a metal or other plate, fastened to the face of one of the uprights of the frame A.

From it project two ears, E and F, which serve as bearings for a horizontal crank-arbor, G, the crank-pin *b* of which fits into the rod C, or into the end of one of the slats B, or into a plate or device secured to one of the slats.

From the arbor G also projects a lever, H, which is, by means of a spring, I, pressed against a corrugated or notched ridge, *c*, formed on the face of the plate E, as shown in figs. 1 and 3.

By putting the lever into one of the notches, the arbor will be locked, so that it cannot turn, and the slats will consequently also be locked in the desired position.

To take the lever out of a recess, it must be raised over the projections between the recesses, and, to allow such motion, the arbor is made sliding in its bearings.

I claim as new, and desire to secure by Letters Patent—

The slat-fastening device, consisting of the sliding crank-arbor G, held in the ears E and F, and combined with the lever H, spring I, and notched ridge *c*, all made and operating substantially as herein shown and described.

Witnesses:

WM. F. McNAMARA,
ALEX. F. ROBERTS.

JAMES BOYD.